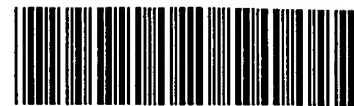


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/523,062A  
Source: Ref/1.0  
Date Processed by STIC: 1/30/06

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/523,062A

TIME: 15:02:09

Input Set : A:\82371.revisedsequence.txt

Output Set: N:\CRF4\01302006\J523062A.raw

3 <110> APPLICANT: Epigenomics AG  
 5 <120> TITLE OF INVENTION: Method for amplification of nucleic acids of low complexity  
 7 <130> FILE REFERENCE: E01/1386/WO  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/523,062A  
 C--> 9 <141> CURRENT FILING DATE: 2005-02-02  
 9 <160> NUMBER OF SEQ ID NOS: 160  
 11 <210> SEQ ID NO: 1  
 12 <211> LENGTH: 322  
 13 <212> TYPE: DNA  
 14 <213> ORGANISM: Artificial Sequence  
 16 <220> FEATURE:  
 17 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2025 of Example)  
 19 <400> SEQUENCE: 1  
 21 aatcctccaa attctaaaaa cataaaaaata acgcaaccca aaaacaaaaa acccctccgc 60  
 22 ccattaatta ctatacacta acgaaacttt cccgaccac aacgacgaaa ataaaaacaa 120  
 23 tcgctaacgc taaaaaacat caaaaacact acccaaccca aatatcgccg ccgcttccac 180  
 24 aaaactctac taaacgccgc cgccgccgct accaccgcct ctaatccaaa ccacctcccg 240  
 25 ccaaataaac cccgaaatcc taactcaa atatatctct ccctccctct ccctccattc 300  
 26 gtcattttct cactcccttt cc 322  
 28 <210> SEQ ID NO: 2  
 29 <211> LENGTH: 413  
 30 <212> TYPE: DNA  
 31 <213> ORGANISM: Artificial Sequence  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2044 of Example)  
 36 <400> SEQUENCE: 2  
 38 ggataggagt tgggattaag attttcggtt agtttcgtat tttttcgtat tttttagtat 60  
 39 cgtttcgtat ttttcgtatt ttttttcggg ttattacgtt ttttatgtga ttcgtttggg 120  
 40 taacgtcgaa tttagtcgag tagcgttgta gtgaattttt ttttttaaatt gtaataagtc 180  
 41 gttttttaag gtaattacgt tttttttggt ttttttttaa aaaataaaaa taaaaaattt 240  
 42 atagaaaaaa attcgcgagt ttagaaaaaa gaagtaattg gtagaagggt ttaattaagg 300  
 43 taaagagtgt taaggcgaag ttaagaaaat gtaggtattt aaaaaatgta ggtaattttt 360  
 44 ataagggttt ttggggagag gtatatagag ggattttggt gttgaaaaag att 413  
 46 <210> SEQ ID NO: 3  
 47 <211> LENGTH: 347  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Artificial Sequence  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2045 of Example)  
 54 <400> SEQUENCE: 3  
 56 aaccctttct tcaaattaca aaccttctta ccttcaaacc tcgactccaa caccaatccg 60  
 57 acaaaaaaac ccaatctaata aaaatacgct cccttctac cattctctat tccattaacc 120  
 58 tatttcgtaa taaacgtaaa actaatcctc caaaattacc ttattaatta acttacatat 180

## RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/523,062A

TIME: 15:02:09

Input Set : A:\82371.revisedsequence.txt

Output Set: N:\CRF4\01302006\J523062A.raw

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59 ttattatcta tctatcccac caaaatacaa atttccgaaa aacaaaaaatt taaaaaaatc 240
60 tattttattc tatataatTT tcccatacca aacaccgtac ccgacacaaa ctaaaatccc 300
61 aatacacatc tcgaaacgaa aaaaccgtat ttccctaaaa cccaatc 347
63 <210> SEQ ID NO: 4
64 <211> LENGTH: 283
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2106 of Example)
71 <400> SEQUENCE: 4
73 ttgaaaataa gaaagggtga ggtagagagg ataatatagt tttagtttat ttttttagtat 60
74 tttgttaatt ttttttaatt tttagttata aattcgagat ataacgtttt ttttttaaag 120
75 aggtcgcgtt ttttttgtgg tggtttttag ggattcgttt tagttttttt ttcgttttta 180
76 gttttatata ttgggattat taggtattta agattttatt ttttaggtgg tatttttagc 240
77 gtaggttgtt atttagtttt ttttaggga tttgggtag aag 283
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 211
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2166 of Example)
87 <400> SEQUENCE: 5
89 tgtttgggat tgggtagggt tatcgggggtt gggggggcgg ggtttgtggg taaggcgggc 60
90 ggaggcgtgg atttttcggt cgatgatagg gttggaggag gaaggggcgg gttgaagaag 120
91 gggaagggtg gaagagttta gtcgggggta taaattgggt gaagcgttga ggttttagta 180
92 ttttcgtttg aggagatagg taaaggttat g 211
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 497
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2188 of Example)
102 <400> SEQUENCE: 6
104 ttttagattg aggttttagg gttaaaggat tatttttttt ttttagcgtt gttcgggaaa 60
105 ggtaagtTtc gggcgggagc gtacgtcgcg ttttcgaagt ttggtttttt cgttacgttt 120
106 attttttgtt tttatttcgc gtttttttag gttttttttc ggtgaatcgg atgttttgtt 180
107 agttttttat tttgcgtttt cggtcgcggt tcgggttttt cgtaaagtcg ttgttatttc 240
108 ggagggttta gttagcgggt tttcggaggT tggtcgggta ggcgtggtgc gcggtaggag 300
109 ttgggcgcgt acggttatcg cgcgtggagg agatattgtt ttgtcgcgat gggggttcgg 360
110 ggcgtttttt tacgtcgtag gtaagcgggg cggcgggttc ggtatttgtt tatcgggagt 420
111 tttttttttt tttttttgtt gttgttgttt tgtatttagt tcgggggagg atagaagaaa 480
112 aaggaggtag aatggat 497
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 373
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2191 of Example)
122 <400> SEQUENCE: 7

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## RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/523,062A

TIME: 15:02:09

Input Set : A:\82371.revisedsequence.txt

Output Set: N:\CRF4\01302006\J523062A.raw

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124 ggaggggaga gggttatgcg attttatttt tggtaggggt cggggagggt tttgtttttc      60
125 gggagttttg ttcgggtttt ttggtcgtag ggttgttggg ttttaggttag gaacgagagg      120
126 gtgaggttta tatgtggttc ggcgggttag ggcggtttgt agcgttttta ttgtttcggg      180
127 tgtaggggt tgcggcgacg cggtagtta gtagcgagtt taggtcgcgt agattttatt      240
128 gatgagtttt gatttttagt atttttttta agttaagaag agtttagcgt atttttcggg      300
129 tgttttattt tagttttttt gtttagttt ttagtttta ttttttttcg tttgttttg      360
130 ggggtgtgat agt      373
132 <210> SEQ ID NO: 8
133 <211> LENGTH: 368
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2194 of Example)
140 <400> SEQUENCE: 8
142 ttttggaat gggttgtatc gagaggttcg attagtttta gggtttttagt gaggggtag      60
143 tggaatttag cgagggattg agagttttat agtatgtacg agtttgatgt tagagaaaaa      120
144 gtcgggagat aaaggagtcg cgtgttatta aattgtcgtc gtagtcgtag ttatttaaagt      180
145 gtcggatttg tgagtatttt gcgttttttag ttttcggata gaagttggag aatttttttg      240
146 gagaattttt cgagtttaga gacgagattt tttataaatt attatttttt tttgcgtttt      300
147 ttatttgtcg ttcggtggga taaacgatag ttatagtttt tttgacgata ggatggagggt      360
148 taagggtta      368
150 <210> SEQ ID NO: 9
151 <211> LENGTH: 352
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2212 of Example)
158 <400> SEQUENCE: 9
160 ttgttgggag tttttaagtt ttgtgagaat tttgggagtt ggtgatgtta gattagttag      60
161 gttatttgaa ggtagtagt tcgggtaggg tttatcgaaa gtttattcgt atatattagg      120
162 taatttaatt ttttattttg tgtgatagaa gtagtaggaa gtgagttgtt tagaggtagg      180
163 agggtttatt ttttgttaaa ggggggatta gaattttttt atgcgagttg tttgaggatt      240
164 gggatgtcga gaacgcgagc gattcgagta gggtttgttt ggggtatcgtc ggggtaggat      300
165 tcggaacgta ttcggaagggt tttttgtaag tatttatttg gaaggagaat tt      352
167 <210> SEQ ID NO: 10
168 <211> LENGTH: 295
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2267 of Example)
175 <400> SEQUENCE: 10
177 gtaatttgaa gaaagttgag gggaggcggg agatgttttg atttattagg gaaaacgtgg      60
178 acgttttttg ttgtattttt gtgaattgtg tgtatttagt tatttttgag taaatatttg      120
179 gagcgaggaa tttttgagtg gtgtgggagg gcggtgaggg gtagttgaaa gtcggttaaa      180
180 gttttcggag gggttggttt aggaaatatg attggtagtt acgagagagt taggggttgg      240
181 acgtcgagga gagggagaag gttttcgggc ggagagagggt tttgtttagt tgttg      295
183 <210> SEQ ID NO: 11
184 <211> LENGTH: 278
185 <212> TYPE: DNA

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## RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/523,062A

TIME: 15:02:09

Input Set : A:\82371.revisedsequence.txt

Output Set: N:\CRF4\01302006\J523062A.raw

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186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2317 of Example)
191 <400> SEQUENCE: 11
193 ggagttgtat tgttgggaga tttgggtgta gatgatgggg atgttaggat tattcgaatt      60
194 taaagttgaa cgtttaggta gaggagtgga gttttgggga attttgagtc ggtttaaagc      120
195 gtattttttt gtatatttat tcggtgttgg gcgtagggaa tttttgaaat aaaagatgta      180
196 taaagtattg aggtttgaga tttttggatt tcgaaatatt gagaatttat agttgtatat      240
197 tttagagttt atggtatttt agtgaaaatt ggggtttt      278
199 <210> SEQ ID NO: 12
200 <211> LENGTH: 285
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2383 of Example)
207 <400> SEQUENCE: 12
209 tttgtattag gttggaagtg gtcgttagtt tttcgtgtaa ttttattttt tggaaaagtg      60
210 gaattagttg gtattgttta gcgtgatttg tgaggttgag ttttaatagt ttaaagaagt      120
211 aaatgggatg ttattttcgc ggggttcggt tttcgcgagg tgtttatttc gtatttgta      180
212 tgtaaaacga gggagcgta ggaaggaatt cgttttgtaa agttattggt tttggttatt      240
213 agtttttatt taatgttttc gtgatgttgt tgttgattta tttgg      285
215 <210> SEQ ID NO: 13
216 <211> LENGTH: 380
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2387 of Example)
223 <400> SEQUENCE: 13
225 gatttttggga gaggaagtta agtgtttttt tgtttttttt cggtatttta ttttaaggcga      60
226 ttagtttaga attggttttc ggaagcgttc gggtaaagat tgcaagaag aaaagatatt      120
227 tggcggaagt ttgtgcgttt ggggcggtgg aattcgggga ggagaggag ggattagata      180
228 ggagagtggg gattattttt tttgttttta aattggggta gttttttggg ttttcgattt      240
229 ttttattttc gtgggtaaaa aattttgttt ttatcgggtt tacgtaattt ttttaagggg      300
230 agaggaggga aaaatttgtg gggggtacga aaaggcggaa agaaatagtt atttcgttat      360
231 atgggttttg ttttagttt      380
233 <210> SEQ ID NO: 14
234 <211> LENGTH: 397
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2391 of Example)
241 <400> SEQUENCE: 14
243 tggggttagt ttaggatagg cgttcggggg acgcgtgttt ttattttacg gggacggtgg      60
244 aggagagtta gcgagggttc gagggttagg tattttaacg aatggttttt ttgggtgttt      120
245 ttgcgtttcg tcggtttatt ttttttttta taaaacgggt ttagttttta gtatttattt      180
246 ttcgttatta attaggtatt tcgggagatt agttcgttcg aaagtttttg cgttatttcg      240
247 cgggtttttt taggtggttt ttttagtttc gttttttttc gggatgtttg ttgattattt      300
248 cgagttcgcg tggcgtaaga gtacgagcgt cgagttcgtg cgcgttaagg ttgcgtgggc      360
249 gggatatcat ttttttgaga agtttttagt tttttaa      397

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## RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/523,062A

TIME: 15:02:09

Input Set : A:\82371.revisedsequence.txt

Output Set: N:\CRF4\01302006\J523062A.raw

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251 <210> SEQ ID NO: 15
252 <211> LENGTH: 547
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2395 of Example)
259 <400> SEQUENCE: 15
261 tttttgtatt ggggtaggtt tcggtaggtg tatgggagga agtacggaga atttataagt      60
262 ttttcgattt tttagtttag acgttggttg gtttttttcg ttggagatcg cgtttttttt      120
263 aaatttttgt gagcgttgcg gaagtacgcg ggggttcgggt cggtgagcgt tgtaagatag      180
264 gggagggagt cgggcgggag agggaggggc ggcgtcgggg cgggttttga tatagagtag      240
265 gcgtcgcggg tcgtagtata gtcggagatc gtagttcgga gttcgggtta gggtttattt      300
266 gttttcgtag cgtcgggttcg cggttttttg tcgtagttag cggtgagtgt cgcggttttg      360
267 agattttcgg gtcggatgcg cggcgggttt agttttcgag cggttggttg tttcgttttg      420
268 gggtgttcgg gttttttggg tttttcggcg gttgtacgga gttaaggcgt ttcgtttcgg      480
269 gcgtttttcg cgggtgtcga tttaggttgt tcggagttcg gagtttatag aggagagaga      540
270 tagttgg                                     547
272 <210> SEQ ID NO: 16
273 <211> LENGTH: 414
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2401 of Example)
280 <400> SEQUENCE: 16
282 attagaagtg aaagtaattg aatttcgatg taaatataat attatttttt tgtagagtta      60
283 ttttgagtat aataaatttg aattgtgtta atgttgggag aaaaaattta aaagaagaac      120
284 ggagcgaata gtagtttttt cggttcgttg ttagaaatag taggacgata ttttttcgat      180
285 tggaggagag cggttgcggt cgtatttagt tggcgttcgt ttttttggtt tttttttagt      240
286 cggttttttt tttttttttc gcgttttagt tattcgggaa ggtattgcgg tagttgggtt      300
287 ttgattggtt gttttgaaag tttacggggt attcgattgg tgaattcggg gtttttttagc      360
288 gcggtgagtt tgaaattggt cgtatttggt tttaaagttg gtttttgga attg          414
290 <210> SEQ ID NO: 17
291 <211> LENGTH: 272
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2453 of Example)
298 <400> SEQUENCE: 17
300 gggatgggtt attagtgtga aatcgtggaa ttttttttga tataatgaaa agatgagggt      60
301 gtataagttt tttagtaggg tgatgatata aaaagtatc ggagtatttt ataaggata      120
302 aattttttaga gatagtagag tatataagtt tttaggataa gagttaggaa gaaattatcg      180
303 gaaggaatta ttttattgtg tgtaaatatg atttttaagt tggcgtggt ttttttggtta      240
304 gtttttttga tttttgtagt tttgtgtgaa gg                                     272
306 <210> SEQ ID NO: 18
307 <211> LENGTH: 391
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Bisulfite converted DNA (ID 2484 of Example)

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 01/30/2006  
PATENT APPLICATION: US/10/523,062A      TIME: 15:02:10

Input Set : A:\82371.revisedsequence.txt  
Output Set: N:\CRF4\01302006\J523062A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:53; N Pos. 1371

**VERIFICATION SUMMARY**

DATE: 01/30/2006

PATENT APPLICATION: US/10/523,062A

TIME: 15:02:10

Input Set : A:\82371.revisedsequence.txt

Output Set: N:\CRF4\01302006\J523062A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:1320